



8-18-06

Attorney Docket No. 023542-0145

Fwd

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Moser et al.

Title: POLYMERASE
INHIBITOR AND
METHOD OF USING
SAME

Application No.: 10/551,705

International Filing Date: 04/01/2004

371(c) Date: Not yet assigned

Examiner: Not yet assigned

Art Unit: Not yet assigned

Confirmation No.: Not yet assigned

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EV 829868050 US August 17, 2006
(Express Mail Label Number) (Date of Deposit)

Deborah A. Kocorowski
(Printed Name)

Deborah A. Kocorowski
(Signature)

Mail Stop **AMENDMENT**
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL

Transmitted herewith please find the following documents for the above-identified patent application.

Information Disclosure Statement Under 37 C.F.R. § 1.56 (2 pages).

Form PTO/SB/08 (4 pages) listing 82 references, enclosing copies of 11 foreign patent documents and copies of 23 non-patent documents (34 total copies).

Attorney Docket No. 023542-0145
Application No. 10/551,705

Although the Applicants believe that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 50-2350.

Respectfully submitted,

Date 08 - 17 - 06

By Stephanie H. Vavra

FOLEY & LARDNER LLP
Customer Number: 61495

Stephanie H. Vavra
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INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.56

Submitted herewith on Form PTO/SB/08 is a listing of documents known to the Applicants in order to comply with the Applicants' duty of disclosure pursuant to 37 C.F.R. § 1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 C.F.R. § 1.97 and § 1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 C.F.R. § 1.56(b). The Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 C.F.R. § 1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

The Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with M.P.E.P. § 609.

Although the Applicants believe that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 50-2350.

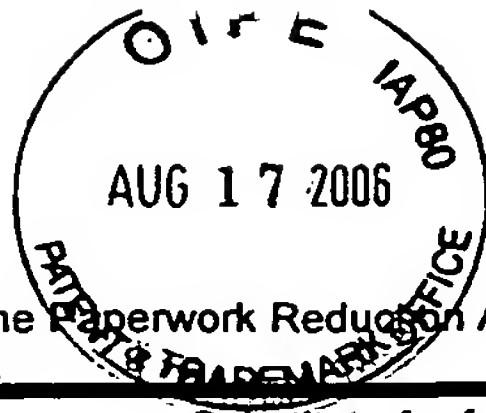
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AUG 17 2006

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: August 17, 2006

(use as many sheets as necessary)

Sheet 1 of 4 Attorney Docket Number 023542-0145

Complete if Known

Application Number	10/551,705
International Filing Date	04/01/2004 (371(c) Date not yet assigned)
First Named Inventor	Michael James Moser
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
A1.	2006/0078936	A1		Grenier et al.	04-13-2006	
A2.	2005/0084894	A1		Brow et al.	04-21-2005	
A3.	2005/0014163	A1		Dong et al.	01-20-2005	
A4.	2004/0106108	A1		Grenier et al.	06-03-2004	
A5.	2003/0194705	A1		Schroth	10-16-2003	
A6.	2002/0150900	A1		Marshall et al.	10-17-2002	
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Date Considered

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Sheet

2

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4

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Application Number	10/551,705
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First Named Inventor	Michael James Moser
Group Art Unit	Not yet assigned
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U.S. PATENT DOCUMENTS

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A42.	5,177,064	Bodor	01-05-1993	
A43.	5,126,439	Rappaport	06-30-1992	
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UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Application Document		Name of Patentee or Applicant of Cited Document	Filing Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
A49.	WO	01/90417		A2	Marshall et al.	11-29-2001		
A50.	EP	0 915 174		A1	Karube et al.	05-12-1999		
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A52.	WO	97/46711		A1	Guo et al.	12-11-1997		
A53.	EP	0 742 287		A2	McGall et al.	11-13-1996		
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A56.	WO	92/11389		A1	Erlich et al.	07-09-1992		
A57.	EP	0 416 817		B1	Newton	03-13-1991		
A58.	EP	0 382 433		B1	Garman et al.	08-16-1990		
A59.	WO	90/06042		A2	Hornes et al.	06-14-1990		

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A60.	BIGGINS et al., "A continuous assay for DNA cleavage: The application of "break lights" to enediynes, iron-dependent agents, and nucleases", <u>PNAS</u> , Vol. 97, No. 25, December 5, 2000 (pp. 13537-13542).	
	A61.	COBIANCHI et al., "Enzymes for Modifying and Labeling DNA and RNA", <u>Methods in Enzymology</u> , Vol. 152, Copyright © 1987 by Academic Press, Inc., (pp. 94-110).	
	A62.	HALL et al., "Sensitive detection of DNA polymorphisms by the serial invasive signal amplification reaction", <u>PNAS</u> , Vol. 97, No. 15, July 18, 2000 (pp. 8272-8277).	
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	A64.	JOHNSON et al., "A third base pair for the polymerase chain reaction: inserting isoC and isoG", <u>Nucleic Acids Research</u> , Vol. 32, No. 6, 2004, (pp. 1937-1941).	
	A65.	JURCZYK et al., "Synthesis of 2'-Deoxyisoguanosine 5'-Triphosphate and 2'-Deoxy-5-methylisocytidine 5'-Triphosphate", <u>Helvetica Chimica Acta</u> , Vol. 82, 1999 (pp. 1005-1015).	
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	A67.	LUTZ, STEFAN et al., "An <i>in vitro</i> screening technique for DNA polymerases that can incorporate modified nucleotides. Pseudouridine as a substrate for thermostable polymerases", <u>Nucleic Acids Research</u> , Vol. 27, No. 13, 1999 (pp. 2792-2798).	
	A68.	MOSER et al., "Quantifying Mixed Populations of Drug-Resistant Human Immunodeficiency Virus type 1", <u>ANTIMICROBIAL AGENTS AND CHEMOTHERAPY</u> , Vol. 49, No. 8, Aug. 2005 (pp. 3334-3340).	
	A69.	MOSER et al., "Enzymatic repair of an expanded genetic information system", <u>Nucleic Acids Research</u> , Vol. 31, No. 27, 2003 (pp. 5048-5053).	
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	A72.	RANDERATH et al., " ³ H and ³² P Derivative Methods for Base Composition and Sequence Analysis of RNA", <u>Methods in Enzymology</u> , Vol. 65, Copyright © 1980 by Academic Press, Inc., (pp. 638-681).	
	A73.	SEPIOL et al., "Tautomerism of Isoguanosine and Solvent-Induced Keto-Enol Equilibrium", <u>Z. Naturforsch</u> , 1976 (pp. 361-370).	
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	A76.	SWITZER et al., "Enzymatic Recognition of the Base Pair between Isocytidine and Isoguanosine", <u>Biochemistry</u> , Vol. 32, No. 39, 1993 (pp. 10489-10496).	
	A77.	TABRIZI et al., "Evaluation of real time polymerase chain reaction assays for confirmation of <i>Neisseria gonorrhoeae</i> in clinical samples tested positive in the Roche Cobas Amplicor assay", <u>Sex Transm Infect</u> , Vol. 80, 2004 (pp. 68-71).	

Examiner Signature

Date Considered

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NON PATENT LITERATURE DOCUMENTS

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	A78.	TOR et al., "Site-Specific Enzymatic Incorporation of an Unnatural Base, N ⁶ -(6-Aminohexyl)isoguanosine, into RNA", J. Am. Chem. Soc., Vol. 115, No. 11, 1993 (pp. 4461-4467).	
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	A80.	WALKER et al., "Isothermal <i>in vitro</i> amplification of DNA by a restriction enzyme/DNA polymerase system", Proc. Natl. Acad. Sci., Vol. 89, January 1992 (pp. 392-396).	
	A81.	WATANABE et al., "Two-Step Synthesis of 2,5'-Anhydronucleosides From Thymidine, 2'-Deoxyuridine, and 2'-Deoxy-5-fluorouridine", Nucleic Acid Chemistry (pp. 273-277).	
	A82.	ZUBAY, "A Case for an Additional RNA Base Pair in Early Evolution", Reprint from: The Roots of Modern Biochemistry, © 1988 Walter de Gruyter & Co., Berlin, New York (4 pp.).	

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